AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A method ~~of taking account of traffic processing capacity for the purpose of~~for controlling traffic load ~~control~~ in a mobile radio network, comprising:

receiving ~~wherein account is taken of~~ one or more limits related to ~~in said~~ processing capacity of a base station, wherein said one or more limits correspond~~ing~~ to one or more parameters representative of said traffic load of the network; and

controlling traffic to the base station according to said one or more limits.

2. (Currently amended) ~~A~~ The method according to claim 1, wherein one of said parameters is associated with the number of radio links that can be established, and a corresponding limit is represented by a maximum number of radio links that can be established.

3. (Currently amended) ~~A~~The method according to claim 2, wherein said maximum number of radio links is a maximum number of radio links that can be established in macrodiversity.

4. (Currently amended) ~~A~~The method according to claim 2, wherein said maximum number of radio links is a maximum number of radio links that can be established in transmission diversity.

5. (Currently amended) ~~A~~The method according to claim 2, wherein said maximum number of radio links is represented by a maximum number of radio resources that can be allocated.

6. (Currently amended) ~~A~~The method according to claim 1, wherein one of said parameters is associated with data rate for established radio links, and a corresponding limit is represented by a maximum data rate for the established radio links.

7. (Currently amended) ~~A~~The method according to claim 6, wherein said maximum data rate is a maximum data rate in the up direction.

8. (Currently amended) ~~A~~The method according to claim 6, wherein said maximum data rate is a maximum data rate in the down direction.

9. (Currently amended) ~~A~~The method according to claim 6, wherein said maximum data rate is a maximum data rate for a first type of traffic, for which a first type of error correcting code is used.

10. (Currently amended) ~~A~~The method according to claim 6, wherein said maximum data rate is a maximum data rate for a second type of traffic, for which a second type of error correcting code is used.

11. (Currently amended) ~~A~~The method according to claim 9, wherein a first type of error correcting code is a turbo-code.

12. (Currently amended) ~~A~~The method according to claim 10, wherein a second type of error correcting code is a convolutional code.

13. (Currently amended) ~~A~~The method according to claim 6, wherein said data rate is a net data rate.

14. (Currently amended) ~~A~~The method according to claim 1, wherein said limits are considered on a per cell or a per base station basis.

15. (Currently amended) ~~A~~The method according to claim 1, wherein said limits are considered per physical channel.

16. (Currently amended) ~~A~~The method according to claim 1, wherein said limits are considered per type of physical channel.

17. (Currently amended) ~~A~~The method according to claim 16, wherein one type of physical channel is a dedicated physical channel.

18. (Currently amended) ~~A~~The method according to claim 16, wherein one type of physical channel is a common physical channel.

19. (Cancelled).

20. (Cancelled).

21. (Currently amended) A base station ~~according to claim 20~~ for a mobile radio network, ~~wherein said means comprise~~ comprising:

means for signaling one or more limits in its processing capacity to a base station controller that controls said base station~~it~~, said limits corresponding to one or more parameters representative of traffic load; and

means for receiving traffic control signals from said base station controller, said traffic control signals being determined according to said limits.

22. (Cancelled).

23. (Currently amended) A base station controller ~~according to claim 22~~ for a mobile radio network, ~~wherein said means include~~ comprising:

means for verifying whether one or more limits in the processing capacity of a base station under its control and corresponding to one or more parameters representative of traffic load has been reached; and

means for sending traffic control signals to said base station according to the limits.